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NEWS	5	MAR 02	GBFULL: New full-text patent database on STN
NEWS	6	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	7	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	8	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	9	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	10	MAR 22	PATDPASPC - New patent database available
NEWS	11	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	12	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	13	APR 04	EMBASE - Database reloaded and enhanced
NEWS	14	APR 18	New CAS Information Use Policies available online
NEWS	15	APR 25	Patent searching, including current-awareness alerts (SDIs), based on application date in CA/CAPLUS and USPATFULL/USPAT2 may be affected by a change in filing date for U.S. applications.
NEWS	16	APR 28	Improved searching of U.S. Patent Classifications for U.S. patent records in CA/CAPLUS
NEWS	17	MAY 23	GBFULL enhanced with patent drawing images
NEWS	18	MAY 23	REGISTRY has been enhanced with source information from CHEMCATS
NEWS	19	JUN 06	The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available
NEWS	20	JUN 13	RUSSIAPAT: New full-text patent database on STN
NEWS	21	JUN 13	FRFULL enhanced with patent drawing images
NEWS	22	JUN 27	MARPAT displays enhanced with expanded G-group definitions and text labels
NEWS	23	JUL 01	MEDICONF removed from STN
NEWS	24	JUL 07	STN Patent Forums to be held in July 2005
NEWS	25	JUL 13	SCISEARCH reloaded
NEWS	26	JUL 20	Powerful new interactive analysis and visualization software, STN AnaVist, now available
NEWS	27	AUG 11	Derwent World Patents Index(R) web-based training during August
NEWS	28	AUG 11	STN AnaVist workshops to be held in North America
NEWS EXPRESS			JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005
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FILE 'HOME' ENTERED AT 14:25:55 ON 24 AUG 2005

=> File CAPLUS

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FILE 'CAPLUS' ENTERED AT 14:26:13 ON 24 AUG 2005

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FILE COVERS 1907 - 24 Aug 2005 VOL 143 ISS 9

FILE LAST UPDATED: 23 Aug 2005 (20050823/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 3,4-dimethylphenylacetone

6363930 3

5161562 4

2 DIMETHYLPHENYLACETONE

L1 1 3,4-DIMETHYLPHENYLACETONE

(3(W) 4(W) DIMETHYLPHENYLACETONE)

=> d

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1966:3685 CAPLUS

DN 64:3685

OREF 64:600g-h

TI  $\alpha$ -Aminopropionic acid derivatives

PA Laboratorios Miquel, S. A.

SO 4 pp.

DT Patent

LA Unavailable

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	ES 310186		19650616	ES	19650225

=> d all

L1 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN

AN 1966:3685 CAPLUS

DN 64:3685  
OREF 64:600g-h  
ED Entered STN: 22 Apr 2001  
TI  $\alpha$ -Aminopropionic acid derivatives  
PA Laboratorios Miquel, S. A.  
SO 4 pp.  
DT Patent  
LA Unavailable  
CC 33 (Aliphatic Compounds)  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	ES 310186		19650616	ES	19650225

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
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AB A mixture of 1000 g. **3,4-dimethylphenylacetone**, 4500 g. (NH<sub>4</sub>)<sub>2</sub>CO<sub>3</sub>, 450 g. KCN in 10 l. H<sub>2</sub>O and 10 l. EtOH was heated at 60° for 6 hrs. The solid residue obtained was collected and refluxed for 50 hrs. with 5000 cc. HBr. The solution was concentrated in vacuo and the product dissolved in acetone. A crystalline material was obtained by treatment with alkali. The medium was adjusted to pH 6 and cooled to give  $\alpha$ -amino- $\alpha$ -(3,4-dihydroxybenzyl)propionic acid, m. 300-2°, which was purified by dissolving the acid in O-free H<sub>2</sub>O and stirring with aluminum oxide.

IT 2-Cyclohexene-1-thiol, 2-ethoxy-4-methyl-, acetate

IT 56-41-7, Alanine  
(derivs.)

IT 55-40-3, Alanine, 3-(3,4-dihydroxyphenyl)-2-methyl- 507-09-5, Acetic acid, thio- 4447-52-3, 5-Norbornene-2-sulfonic acid, methyl ester 4447-53-4, 9,10-Ethanoanthracene-9(10H)-sulfonic acid 4454-21-1, Acetic acid, thio-, S-1,4,5,6,7,7-hexachloro-5-norbornen-2-yl ester 4454-22-2, Acetic acid, thio-, S-5-norbornen-2-yl ester 4454-23-3, Acetic acid, thio-, S-(2-ethoxy-4-methyl-3-cyclohexen-1-yl) ester 4454-25-5, Acetic acid, thio-, S-9,10-ethanoanthracen-9(10H)-yl ester 4454-26-6, 5-Norbornene-2-thiol, 1,4,5,6,7,7-hexachloro- 4454-27-7, 5-Norbornene-2-thiol 4454-28-8, 9,10-Ethanoanthracene-9(10H)-thiol 4454-29-9, 5-Norbornene-2-sulfonic acid, 1,4,5,6,7,7-hexachloro- (preparation of)

=> s (S)-1-(3,4-dimethoxyphenyl)-2-propanol  
MISSING TERM BEFORE '(S'  
Search expressions cannot begin with operators.

=> s S-1-(3,4-dimethoxyphenyl)-2-propanol  
MISSING OPERATOR 'S-1-(3,4-DIMETH'  
The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s (3,4-dimethoxyphenyl)-2-propanol  
MISSING OPERATOR OXYPHENYL)-2-PROPANOL  
The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s 3,4-dimethoxyphenyl-2-propanol  
6363930 3  
5161562 4  
9671 DIMETHOXYPHENYL  
8472572 2  
70633 PROPANOL  
1588 PROPANOLS  
71304 PROPANOL  
(PROPANOL OR PROPANOLS)  
L2 8 3,4-DIMETHOXYPHENYL-2-PROPANOL  
(3(W) 4(W) DIMETHOXYPHENYL(W) 2(W) PROPANOL)

=> d ibib, abs 1-5 L2

L2 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 2004:876016 CAPLUS  
DOCUMENT NUMBER: 141:365185  
TITLE: Production of optically active alcohols with yeast  
carbonly reductases  
INVENTOR(S): Kimoto, Norihiro; Yamamoto, Hiroaki; Nakajima,  
Takanori  
PATENT ASSIGNEE(S): Daicel Chemical Industries, Ltd., Japan  
SOURCE: Eur. Pat. Appl., 65 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1469079	A1	20041020	EP 2004-9125	20040416
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2005000002	A2	20050106	JP 2003-163015	20030606
US 2005148057	A1	20050707	US 2004-826081	20040415
PRIORITY APPLN. INFO.:			JP 2003-113402	A 20030417
			JP 2003-163015	A 20030606

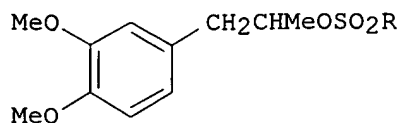
OTHER SOURCE(S): CASREACT 141:365185

AB An objective of the present invention is to provide methods for efficiently producing (S)-1-(3,4-dimethoxyphenyl)-2-propanol at a high optical purity. Another objective is to provide novel reductases which reduce 3,4-dimethoxyphenylacetone, using NADPH as a coenzyme, to produce (S)-1-(3, 4-dimethoxyphenyl) -2-propanol with a high optical purity. The inventors found that a 3,4-dimethoxyphenylacetone-reducing enzyme present in <I>Torulaspora delbrueckii</I> is a novel carbonyl reductase that reduces various carbonyls. This novel enzyme reduces 3,4-dimethoxyphenylacetone in a reduction reaction to produce (S)-1-(3,4-dimethoxyphenyl)-2-propanol with a high optical purity and at a high yield. Furthermore, the inventors isolated a DNA that encodes the present enzyme, and generated a recombinant bacterium which highly expresses the present enzyme. Thus, the present inventors established a simple and highly economical method of obtaining optically active alcs. with a high optical purity and at a high yield.

L2 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1996:409719 CAPLUS  
DOCUMENT NUMBER: 125:58086  
TITLE: Preparation of optically active 1-(3,4-dimethoxyphenyl)-2-aminopropane as intermediate for antidiabetics and antiobesity agents  
INVENTOR(S): Iritani, Hiroshi; Hasegawa, Junzo  
PATENT ASSIGNEE(S): Kanegafuchi Chemical Ind, Japan  
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.  
CODEN: JKXXAF  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08099940	A2	19960416	JP 1994-237395	19940930
PRIORITY APPLN. INFO.:			JP 1994-237395	19940930
OTHER SOURCE(S):			CASREACT 125:58086; MARPAT 125:58086	
GI				



I

AB The title compound (III) is prepared treating optically active 1-(3,4-dimethoxyphenyl)-2-propanol sulfonates I (R = Me, CF<sub>3</sub>, p-MeC<sub>6</sub>H<sub>4</sub>, Ph, p-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>) with potassium phthalimide (IV), then eliminating phthalimido from the optically active 1-(3,4-dimethoxyphenyl)-2-phthalimidopropane (II) obtained. A solution of (S)-(+)-I (R = Me) in DMF was treated with IV at 70° for 5 h, followed by at 80° for 12 h to give 64% (S)-II, a suspension of which in MeOH was treated dropwise with a solution of MeNH<sub>2</sub> in EtOH at room temperature, treated for 2 h, treated dropwise with a solution of HCl in MeOH to give (R)-III.HCl (V), which was treated with aqueous NaOH to give 90% (R)-(-)-III.

L2 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1996:318960 CAPLUS

DOCUMENT NUMBER: 125:8715

TITLE: Optically active 1-(3,4-dimethoxyphenyl)-2-propanol

manufacture with microorganism

INVENTOR(S): Yasohara, Yoshihiko; Iwasaki, Akira; Hasegawa, Junzo

PATENT ASSIGNEE(S): Kanegafuchi Chemical Ind, Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08089261	A2	19960409	JP 1994-237394	19940930
JP 3587569	B2	20041110		

PRIORITY APPLN. INFO.: JP 1994-237394 19940930

AB Optically active 1-(3,4-dimethoxyphenyl)-2-propanols (I), (R)-I and (S)-I, are manufactured from 3,4-dimethoxyphenyl acetone by enzymic resolution with microorganism.

L2 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1995:374848 CAPLUS

DOCUMENT NUMBER: 122:132741

TITLE: Fermentative preparation of optically active 1-phenyl-2-substituted propane derivatives

INVENTOR(S): Ito, Michio; Yamasaki, Noritsugu; Kobayashi, Yoshinori; Ikura, Kiyoshi

PATENT ASSIGNEE(S): Daicel Chemical Industries, Ltd., Japan

SOURCE: Eur. Pat. Appl., 45 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

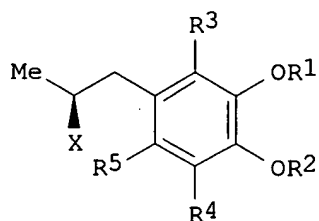
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 627397	A1	19941207	EP 1994-108526	19940603
EP 627397	B1	19970102		
R: DE, FR, GB				
US 5508461	A	19960416	US 1994-252994	19940602
JP 08325188	A2	19961210	JP 1994-145352	19940602
JP 3593362	B2	20041124		
US 5679557	A	19971021	US 1996-613946	19960313
US 5902900	A	19990511	US 1997-883664	19970627

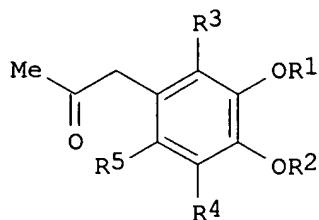
US 6248573  
PRIORITY APPLN. INFO.:

B1	20010619	US 1998-208842	19981210
		JP 1993-160225	A 19930604
		JP 1993-255085	A 19930916
		US 1994-252994	A3 19940602
		US 1996-613946	A3 19960313
		US 1997-883664	A3 19970627

OTHER SOURCE(S): CASREACT 122:132741; MARPAT 122:132741  
GI



I



II

AB (S)-1-phenyl-2-substituted propane derivs. [I; R1, R2 = H, protective group; R1R2 may form an (un)substituted alkylene, etc.; R3-R5 = H, alkyl, haloalkyl, alkoxy; X = (un)protected OH, (un)substituted alkylsulfonyl, (un)substituted arylsulfonyl] [e.g., (S)-1-(3,4-dimethoxyphenyl)-2-propanol] can readily be produced by fermentation of the corresponding phenylacetone II (e.g., 3,4-dimethoxyphenylacetone) with microorganisms from the genera: *orulaspora*, *Candida*, *Pichia*, etc. [e.g., *Geotrichum candidum* (IFO 4598); 99.4% e.e.].

L2 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1995:229663 CAPLUS

DOCUMENT NUMBER: 122:290482

TITLE: Monofluoro Analogs of Eugenol Methyl Ether as Novel Attractants for the Oriental Fruit Fly

AUTHOR(S): Khrimian, Achot P.; DeMilo, Albert B.; Waters, Rolland M.; Liquido, Nicanor J.; Nicholson, Jesse M.

CORPORATE SOURCE: Department of Chemistry, Howard University, Washington, DC, 20059, USA

SOURCE: Journal of Organic Chemistry (1994), 59(26), 8034-9  
CODEN: JOCEAH; ISSN: 0022-3263

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Monofluoro analogs of eugenol Me ether as potential attractants for the Oriental fruit fly (*Bactrocera dorsalis*, Hendel) were synthesized using selective fluorination reactions: electrophilic hydro- and iodofluorination, fluorodehydroxylation with (diethylamido)sulfur trifluoride (DAST), and Wittig fluoroolefination through the stabilized ylides. Unusual reduction of the double bond was detected in a reaction of Me eugenol with pyridinium poly(hydrogen fluoride). Bis[(3,4-dimethoxyphenyl)alkyl] carbonates were identified as the novel nucleophilic substitution products of the intermediate generated from the reaction of 3,4-dimethoxybenzenealkanol with DAST. Reductive desulfonylation of (Z)-3,4-(MeO)2C6H3CH2CH:CFSO2Ph with sodium amalgam afforded 3,4-(MeO)2C6H3CH2CH:CHF (E/Z = 85:15) which was highly attractive to the Oriental fruit fly.

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	JP "08089261"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/08/24 14:46
L2	368	Yasohara	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/08/24 14:47
L3	247	Torulaspora	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/08/24 14:56
L4	1	L1 AND L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/08/24 14:47
L5	0	Yasohara AND ("3,4" dimethoxyphenyl)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/08/24 14:48
L6	0	(3, 4 dimethoxyphenyl)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/08/24 14:49
L7	125	(dimethoxyphenyl)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/08/24 14:49
L8	0	L2 AND L7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/08/24 14:49

L9	141	Torulaspora AND alcohol	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/08/24 14:57
L10	34	L9 AND ketone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2005/08/24 14:57